Title (en)

DISCHARGE PORTING DESIGN FOR SCREW COMPRESSOR

Title (de)

AUSTRAGSÖFFNUNGSAUSFÜHRUNG FÜR SCHRAUBENKOMPRESSOR

Title (fr)

MODELE D'ORIFICE DE REFOULEMENT POUR COMPRESSEUR A VIS

Publication

**EP 1523624 A1 20050420 (EN)**

Application

**EP 03765462 A 20030624**

Priority

- US 0319892 W 20030624
- US 20117502 A 20020722

Abstract (en)

[origin: US2004013555A1] A screw compressor including a housing having a discharge port; a plurality of rotors including at least one male rotor and at least one female rotor rotatably disposed in the housing for generating a discharge flow through the discharge port, the discharge port having a radial portion and an axial portion, wherein the discharge port is positioned relative to the plurality of rotors so that the radial portion opens prior to the axial portion whereby kinetic energy in the discharge flow can be recovered.

IPC 1-7

**F04C 18/16**; F04C 29/08; F04C 29/10

IPC 8 full level

**F04C 18/16** (2006.01); **F04C 2/00** (2006.01); **F04C 18/00** (2006.01); **F04C 28/00** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP KR US)

**F04C 18/16** (2013.01 - KR); **F04C 29/12** (2013.01 - EP US); F04C 18/16 (2013.01 - EP US); F04C 2250/102 (2013.01 - EP US)

Citation (search report)

See references of WO 2004010002A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**US 2004013555 A1 20040122**; **US 6705849 B2 20040316**; BR 0305633 A 20040908; CA 2461031 A1 20040129; CA 2461031 C 20080617; CN 100335791 C 20070905; CN 1556899 A 20041222; DE 60324144 D1 20081127; EP 1523624 A1 20050420; EP 1523624 B1 20081015; JP 2005533958 A 20051110; KR 100612813 B1 20060821; KR 20040033063 A 20040417; TW 200413642 A 20040801; TW I274812 B 20070301; WO 2004010002 A1 20040129

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